

92) The system according to Claim 90, wherein said at least one energy source comprises an ignition mechanism for igniting the precursor material and for vaporizing at least a portion of the precursor material.

93) The system according to Claim 90, wherein said means for providing at least one source of pressure differential comprises a redirect jet for creating a pressure differential along the first path to thereby redirect the at least partially vaporized material from the first path to the redirected path.

94) The system according to claim 93, wherein said redirect jet comprises a nozzle for directing a stream of gas at the at least partially vaporized material.

95) The system according to claim 94, further comprising a flow controller for adjusting a flow rate of the stream of gas being projected from the nozzle.

96) The system according to claim 93, wherein the redirect jet comprises a nozzle for applying a negative pressure to the at least partially vaporized material.

97) The system according to claim 93, wherein the redirect jet includes a pivot mechanism for adjusting an angle at which the redirect jet acts on the at least partially vaporized material.

98) The system according to claim 93, further including a controller for adjusting a relative mix of at least partially vaporized precursor material and a gas being delivered from the redirect jet.--

Remarks

Claims 34-86 have been canceled. New Claims 90-98 have been added. Currently claims 1-33 and 87-98 are pending.

Applicant hereby elects Group I, Claims 1-33 and 87-89, with traverse for the reasons set forth below.

The restriction requirement states that the following groups of inventions are distinct:

- I. Claims 1-33 and 87-89, drawn to a method of making a coating.
- II. Claims 34-39, drawn to a spraying apparatus.
- III. Claims 40-52, drawn to an electrical conductor or superconductor coated with an insulator
- IV. Claims 53-86, drawn to a polymer laminate.

While the portion of the restriction requirement related to groups III. and III. are not traversed, the restriction requirement between groups I. and II. are traversed for the following reasons:

Group I is actually drawn to a method of forming a material (not simply a coating, see dependent claim 5).

Group II is actually drawn to a system for forming a material (not just a spraying apparatus).

Independent Claim 1, (Group I), includes the steps of:

- (a) providing at least one energy source;
- (b) feeding a precursor into a localized environment of the at least one energy source, to allow the at least one energy source to activate the precursor within gasses;
- (c) directing the gasses along a first path; and
- (d) providing at least one source of pressure differential and applying the at least one source of pressure differential to the localized environment of the at least one energy source, such that the localized environment is selectively changed to redirect the gasses from the first path to a redirected path, to thereby cause the gasses to contact a surface and form at least part of the material.

Newly submitted independent claim 90 (apparatus claims intended to fall within Group II) includes the following elements:

- (a) at least one energy source;
- (b) means for directing a precursor material along a first path and into a localized environment of the at least one energy source, to allow the at least one energy source to activate the precursor within gasses;
- (c) means for providing at least one source of pressure differential and applying the at least one source of pressure differential to the localized environment of the at least one energy source, such that the localized environment is selectively changed to redirect the gasses from the first path to a redirected path, to thereby cause the gasses to contact a surface and form at least part of the material.

As the steps of the independent method claim 1 are functionally the same as the broadly claimed elements required in the independent apparatus claim 90, it is the applicant's opinion that the process as claimed cannot be practiced by another materially different apparatus, nor can the apparatus as claimed be used to practice another and materially different process. Furthermore, any search required to find prior art related to the process steps would inherently be the same as a search required to find prior art related to the apparatus elements. Thus no undo burden should be placed on the Examiner to search both sets of claims. It is therefore requested that the restriction requirement with respect to Groups I and II, only, be withdrawn, all claims to groups III and IIII having been deleted. As a larger amount of claims (both dependent and independent) have been deleted than those added, no additional claim fees are required.

Respectfully submitted,



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